

METHOD OF FORMING LIQUID CRYSTAL ALIGNMENT FILM AND

METHOD OF PRODUCING LIQUID CRYSTAL DISPLAY DEVICE

5

ABSTRACT OF THE DISCLOSURE

5
10
15
20

A method of forming a liquid crystal alignment film
able to prevent uneven drying of a liquid crystal
alignment film and thereby prevent alignment defects of
the liquid crystal and reduce the defect rate of liquid
crystal display devices, including the steps of
dissolving a polymer material (preferably a polyimide) in
a solvent comprised of a polar main solvent (preferably
 γ -butyrolactone or N-methyl- α -pyrrolidone) plus about 5
to 15 wt% of butyl β -hydroxyethyl ether as a leveling
agent and coating the solution on a substrate; pre-baking
the substrate to volatilize at least part of the mixed
solvent; and baking the substrate at a higher temperature
than pre-baking to polymerize the polymer material, and a
method of producing a liquid crystal display device
including the above steps.